card for any other reason, the Commissioner is authorized to charge Deposit Account No. 06-1315; Order No. ITWO:0004/YOD (12984), for the fee associated with this extension of time.

IN THE DRAWINGS

Please amend the drawings as shown in red-ink on the figure sheet attached hereto.

IN THE CLAIMS

Please cancel claims 17, 22 (renumbered), 29 (renumbered) and 36 (renumbered) without prejudice.

Please amend the claims as follows:

(Amended) A threaded fastener comprising:

a head;

a tip; and

a threaded shank extending between the head and the tip, the threaded shank having a helical lead formed thereon, the lead including a plurality of bosses therealong, successive bosses being separated from one another by recessed bases, each boss extending radially beyond adjacent bases and presenting a respective profile including a lead-in profile in a direction towards the tip, a respective lead-out profile in a direction towards the head and a central section of substantially uniform radial dimension, wherein the respective profiles comprise a continuous crest.

9. (Amended) A threaded fastener comprising:

a head;

a tip;

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a threaded shank extending between the head and the tip;

a first helical lead formed on the shank and including a plurality of first bosses therealong, successive first bosses being separated from one another by first bases, each first boss extending radially beyond adjacent first bases and presenting a respective profile including a lead-in profile in a direction towards the tip, a respective lead-out profile in a direction towards the head; and

a second helical lead including a plurality of second bosses therealong, successive second bosses being separated from one another by second bases, each second boss extending radially beyond adjacent second bases and presenting a respective profile including a lead-in profile in a direction towards the tip, a respective lead-out profile in a direction towards the head;

wherein the profiles of the first and second leads are configured to provide a substantially constant insertion torque.

<u> ډره د کې 18.</u> (Amended) A double-lead hreaded fastener comprising:

a tip;

a head;

a shank extending between the tip and the head;

a first helical lead disposed about the shank and including first bosses separated by first bases, the first bosses extending radially beyond the first bases; and

a second helical lead disposed about the shank and including second bosses separated by second bases, the second bases extending radially beyond the second bases;

wherein the first bosses and the second bases are disposed along the shank at generally corresponding locations, and the second bosses and the first bases are disposed along the shank/at generally corresponding locations, and wherein the first and second bosses and the first and second bases are disposed along the shank to provide a substantially constant insertion torque.

19. (Amended) The fastener of claim 18, wherein each of the first and second bosses includes a respective lead-in profile and lead-out profile, and wherein the lead-in profiles of the first bosses and the lead-out profiles of the second bosses are disposed at generally corresponding locations along the shank, and the lead-out profiles of the first bosses and the lead-in profiles of the second bosses are disposed at generally corresponding locations along the shank.

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- 20. (Amended) The fastener of claim 19, wherein the lead-in profiles of at least two of the bosses of the first and the second leads are different from one another.
- 21. (Amended) The fastener of claim 19, wherein lead-out profiles of at least two of the bosses of the first and second leads are different from one another.
- 23. (Amended) The fastener of claim 19, wherein the lead-in profiles of the bosses of the first and second leads are inclined less than the lead-out profiles for the same bosses.
 - 24. (Amended) The fastener of claim 18, wherein the first lead is identical to the second lead.
 - 25. (Amended) A double-lead threaded fastener comprising:
 - a tip;
 - a head;
 - a shank extending between the tip and the head;
 - a first helical lead disposed about the shank and including first bosses separated by first bases, the first bosses extending radially beyond the first bases; and

a second helical lead identical to the first helical lead, the second helical lead being disposed about the shank and including second bosses separated by second bases, the second bases extending radially beyond the second bases;

wherein the respective first and second bosses are displaced from one another by 180 degrees at generally corresponding locations along the shank, and wherein the first and second bosses and the first and second bases are disposed along the shank to provide a substantially constant insertion torque.

- 26. (Amended) The fastener of claim 25, wherein each of the first and second bosses includes a respective lead-in profile and lead-out profile, and wherein the lead-in profiles of the first bosses and the lead-out profiles of the second bosses are disposed at generally corresponding locations along the shank, and the lead-out profiles of the first bosses and the lead-in profiles of the second bosses are disposed at generally corresponding locations along the shank.
- 27. (Amended) The fastener of claim 26, wherein the lead-in profiles of at least two of the bosses of the first and the second leads are different from one another.
- 28. (Amended) The fastener of claim 26, wherein lead-out profiles of at least two of the bosses of the first and second leads are different from one another.
- Sale 30. (Amended) The fastener of claim 26, wherein the lead-in profiles of the bosses of the first and second leads are inclined less than the lead-out profiles for the same bosses.
 - 31. (Amended) The fastener of claim 25, wherein profiles of bosses of the first and the second leads vary along the shank from the tip to the head.

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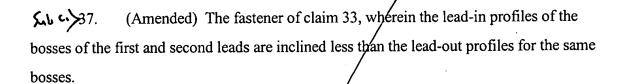
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- (Amended) A double-lead threaded fastener comprising: 32.
- a tip;
- a head;
- a shank extending between the tip and the head;
- a first helical lead disposed about the shank and including first bosses separated by first bases, the first bosses extending radially beyond the first bases and less than a 360 degrees around the shank; and

a second helical lead identical to the first helical/lead, the second helical lead being disposed about the shank and including second bosses separated by second bases, the second bases extending radially beyond the second bases and less than 360 degrees around the shank;

wherein the respective first and second bosses are displaced from one another by 180 degrees at generally corresponding locations along the shank, and wherein the first and second bosses and the first and second bases are disposed along the shank to provide a substantially constant insertion torque!

- (Amended) The fástener of claim 32, wherein each of the first and second 33. bosses includes a respective lead-in profile and lead-out profile, and wherein the lead-in profiles of the first bosses and the lead-out profiles of the second bosses are disposed at generally corresponding locations along the shank, and the lead-out profiles of the first bosses and the lead-in profiles of the second bosses are disposed at generally corresponding locations along the shank.
- (Amended) The fastener of claim 33, wherein the lead-in profiles of at least 34. two of the bosses of the first and the second leads are different from one another.
- (Amended) The fastener of claim 33, wherein lead-out profiles of at least 35. two of the bysses of the first and second leads are different from one another.



- 38. (Amended) The fastener of claim 32, wherein profiles of bosses of the first and the second leads vary along the shank from the tip to the head.
- 39. (Amended) The fastener of claim 32, wherein each of the first and second bosses extends less than 180 degrees around the shank.
- 40. (Amended) The fastener of claim 39, wherein each of the first and second bosses extends less than 90 degrees around the shank.

52. (Amended) A threaded fastener comprising:

a head;

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a tip; and

a threaded shank extending between the head and the tip, the threaded shank having a helical lead formed thereon, the lead including a plurality of bosses therealong, successive bosses being separated from one another by recessed bases, each boss extending radially beyond adjacent bases and presenting a respective profile including a lead-in profile in a direction towards the tip, a respective lead-out profile in a direction towards the head and a central section of substantially uniform radial dimension, wherein a ratio of removal torque to insertion torque is greater than 0.8.

53. (Amended) The threaded fastener of claim 52, wherein the ratio is greater than 0.9.

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- 54. (Amended) The threaded fastener of claim 53, wherein the ratio is greater than 1.0
- 55. (Amended) The threaded fastener of claim 54, wherein the ratio is greater than 1.1.
- 56. (Amended) The threaded fastener of claim 52, wherein the fastener comprises first and second leads about a shank, each lead having a series of bosses, lead-in profiles and lead-out profiles of the bosses differing from one another to provide the ratio.

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- 57. (Amended) The threaded fastener of claim 56, wherein the first and second leads are identical to one another.
- 58. (Amended) The threaded fastener of claim 56, wherein crests of the lead-in profiles are inclined at approximately 15 degrees from the thread root, and crests of the lead-out profiles are inclined at approximately 45 degrees from the thread root.